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CLAIMS

1. An electrocardiograph system comprising:
an acquisition element adapted to be coupled to a patient
through a set of relatively short leadwires; and
a hand-held, battery powered portable processing element
coupled to the acquisition element through a connector cable
and controlled through a graphical user interface.
2. The electrocardiograph system as in claim 1 wherein the
processing element further comprises a display.
3. The electrocardiograph system as in claim 2 wherein the
display further comprises a liquid crystal display.
4. The electrocardiograph system as in claim 3 wherein the
liquid crystal display further comprises a color or monochrome
graphical display with sufficient resolution to display
waveforms.
5. The electrocardiograph system as in claim 2 wherein the
display further comprises a touch screen interface.
6. The electrocardiograph system as in claim 1 wherein the
processing element further comprises a compact flash card or
similar memory expansion slot.
7. The electrocardiograph system as in claim 6 wherein the
compact flash expansion slot further comprises a compact flash
read only memory disposed in the compact flash card expansion
slot.

8. The electrocardiograph system as in claim 1 wherein the processing element further comprises an infrared transceiver for communications.
9. The electrocardiograph system as in claim 1 wherein the processing element further comprises a radio frequency transceiver for communications.
10. The electrocardiograph system as in claim 1 wherein the processing element further comprises an audio recording unit.
11. The electrocardiograph system as in claim 1 wherein the acquisition element further comprises a plurality of signal conditioning circuits.
12. The electrocardiograph system as in claim 1 wherein the acquisition unit further comprises a baseline sway filter.
13. The electrocardiograph system as in claim 1 wherein the acquisition unit further comprises a pacemaker pulse detector adapted to detect pacemaker signals.
14. The electrocardiograph system as in claim 1 wherein the acquisition unit further comprises analysis and interpretation.